

EMSE Course Offering Plan

Cancelled

rev.12-22-06/curriculum

No.	Title	F04	S05	F05	S06	F06	S07	F07	Instructor	Offered
102	Materials Seminar			PL		FE			Soph Advisor	Annually
103	Materials in Sports			GM		GM			Michal	Annually
201	Intro to Materials Science			MD	MD	MD	GW		MD/JC/GW	Every Sem
202	Phase Diagrams & Transformation				DM		AH		Heuer	Annually
203	Applied Thermodynamics			JP		GM			Payer	Annually
270	Materials Lab 1				PL		PL		Lagerlof	Annually
280	Materials Lab 2			DM		DM			Matthiesen	Annually
290	Materials Lab 3				FE		FE		Ernst	Annually
301	Fundamentals of Materials Proc.			GW		GW			Staff	Annually
302	Fundamentals of Mat. Proc. Lab			GW		GW			Staff	Annually
303	Mechanical Behavior of Mats.				JL		JL		Lewandowski	Annually
307	Foundry Metallurgy				FW		GW		Staff	Annually
310	App/Diff Princ. Lab			PL		PL			Lagerlof	Annually
312	Diffraction Principles			PL		PL			L	Annually
313	Engineering Applied of Mat.				GM		GM		Michal	Annually
314	Elect., Mag., & Opt. Props. Of Mat.			PP		PP			DeGuire	Annually
316	Appllications of Ceramic Material				MD				DeGuire	Bi-Annual
360	Transport Phenomena								Cawley	Annually
396	Special Project/ Thesis				MD	JP	JP	JP	Staff	Every Sem
398	Materials Project Lab (Sr. Project)			JP		JP	J	JP	Staff	Every Sem
399	Materials Project Lab (Sr. Project)			JP	JP	JP	JP	JP	Payer	Every Sem

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No.	Title	F04	S05	F05	S06	F06	S07	F07	Instructor	Offered
401	Transformation in Met. & Alloys					GM	GM		Michal	Bi-Annual
403	Modern Ceramic Processing								Cawley	Bi-Annual
404	Diff. Proc. In Solids & Metals				DM				Matthiesen	Bi-Annual
405	Dielectric, Opt. & Mag. Props. of Mat.					MD			DeGuire	Bi-Annual
407	Solidification								Staff	Bi-Annual
409	Mech. & Therm. Proc. Of Metals								Welsch	Bi-Annual
411	Environ. Eff. On Mat. Behavior				JP		JP		Payer	Annually
412	Materials Sci. & Engr. Seminars			PL	PL	PL	GW		Staff	Every Sem
413	Fund. Of Mat. Sci. & Engr.			AH		DM			Heuer	Annually
417	Props. Of Mats. @ High Temp.								Welsch	Bi-Annual
418	Oxidation of Materials				GW				Welsch	Bi-Annual
419	Phase Equilibria & Microstructure					AH			Heuer	Bi-Annual
420	Powder Processing								Cawley	Bi-Annual
421	Fracture of Materials			JL		JL			Lewandowski	Annually
426	Thin Film Sci & Tech						PP		Pirouz	Bi-Annual
427	Dislocations in Solids						PL		Lagerlof	Bi-Annual
429	Crystall & Chem				PL				Lagerlof	Bi-Annual
430	Grain Bounds., Interf., & Surfs. in Mats.								Pirouz	Bi-Annual
502	Mechanical Props. Of Metals/ Comp.						JL		Lewandowski	Bi-Annual
504	Thermodynamics of Solids			MD					DeGuire	Bi-Annual
509	Conventional Trans/Electron/Microscopy					FE				Bi-Annual
511	Failure Analysis				GM				Michal/Staff	Bi-Annual
512	Advanced Tech. in Electron Microscopy			FE			FE		AH/PP/PL	As Required
514	Defects in Semiconductors							PP	Pirouz	Bi-Annual
515	Analytical Methods in Mats. Science							FE	Michal/Ernst	Bi-Annual
516	Analytical Methods in Mats. Sci.- Lab								AH/PP/PL	Bi-Annual